

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:03:16 ON 25 SEP 2006  
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STRUCTURE FILE UPDATES: 24 SEP 2006 HIGHEST RN 908332-13-8  
DICTIONARY FILE UPDATES: 24 SEP 2006 HIGHEST RN 908332-13-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

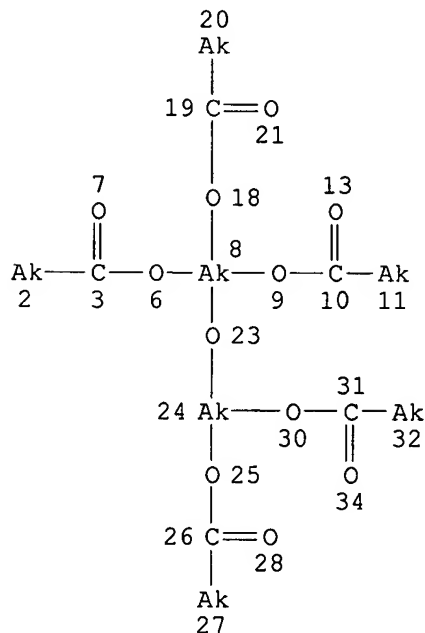
Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d sta que 110

L6 STR



NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

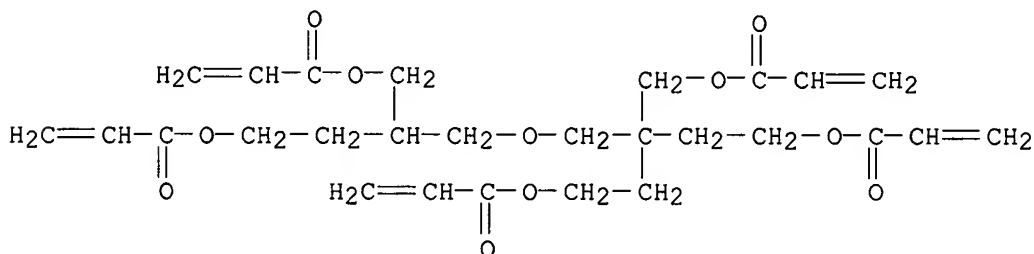
GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L8 12 SEA FILE=REGISTRY CSS FUL L6  
 L9 6 SEA FILE=REGISTRY ABB=ON PLU=ON L8 NOT PROPENOIC  
 L10 6 SEA FILE=REGISTRY ABB=ON PLU=ON L8 NOT L9

=&gt; d ide can tot l10

L10 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 169158-41-2 REGISTRY  
 ED Entered STN: 20 Oct 1995  
 CN 2-Propenoic acid, 2-[2-[(1-oxo-2-propenyl)oxy]ethyl]-2-[[4-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]butoxy]methyl]-1,4-butanediyl ester (9CI) (CA INDEX NAME)  
 MF C27 H36 O11  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

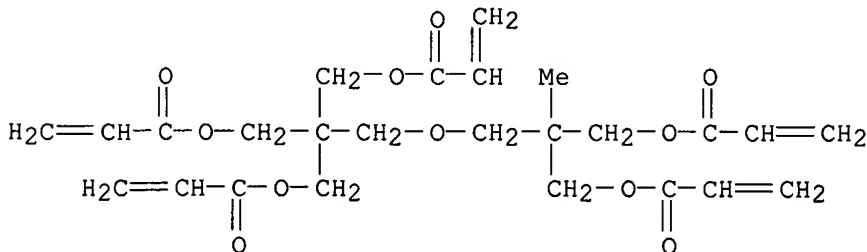


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 123:270709

L10 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 159996-68-6 REGISTRY  
 ED Entered STN: 06 Jan 1995  
 CN 2-Propenoic acid, 2-methyl-2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)  
 MF C25 H32 O11  
 SR CA  
 LC STN Files: CA, CAPLUS



jan delaval - 25 september 2006

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

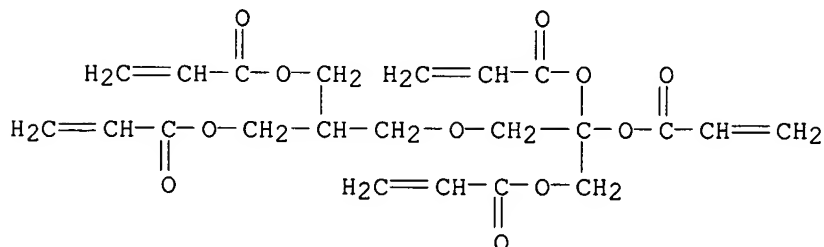
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:68238

L10 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 149038-62-0 REGISTRY  
 ED Entered STN: 30 Jul 1993  
 CN 2-Propenoic acid, 1-[(1-oxo-2-propenyl)oxy]-1-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,2-ethanediyl ester, homopolymer (9CI) (CA INDEX NAME)  
 MF (C22 H26 O11)x  
 CI PMS  
 PCT Polyacrylic  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

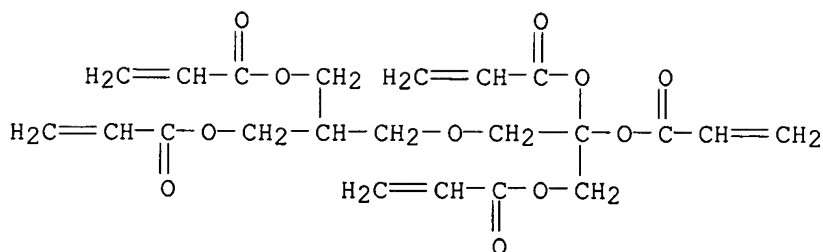
CRN 149038-61-9  
 CMF C22 H26 O11



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 119:82859

L10 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 149038-61-9 REGISTRY  
 ED Entered STN: 30 Jul 1993  
 CN 2-Propenoic acid, 1-[(1-oxo-2-propenyl)oxy]-1-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)  
 MF C22 H26 O11  
 CI COM  
 SR CA

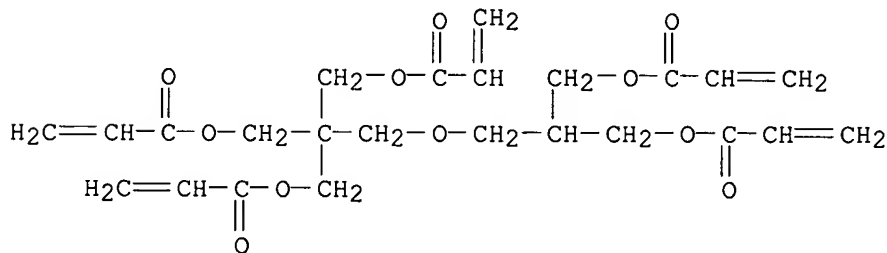


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L10 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 141313-83-9 REGISTRY  
 ED Entered STN: 15 May 1992  
 CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester, homopolymer (9CI) (CA INDEX NAME)  
 MF (C24 H30 O11)x  
 CI PMS  
 PCT Polyacrylic  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

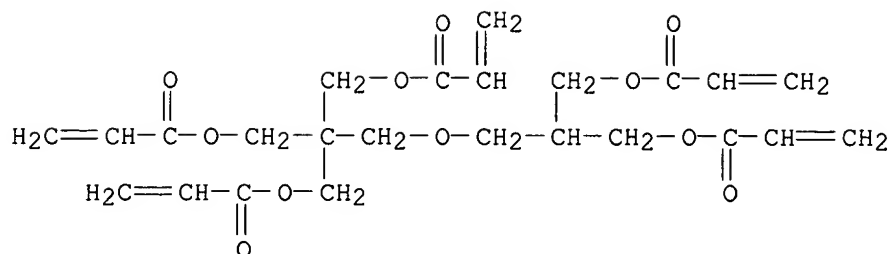
CRN 141313-82-8  
 CMF C24 H30 O11



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 116:224683

L10 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 141313-82-8 REGISTRY  
 ED Entered STN: 15 May 1992  
 CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)  
 MF C24 H30 O11  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:68238

=> d his l10-

(FILE 'REGISTRY' ENTERED AT 15:50:51 ON 25 SEP 2006)  
L10 6 S L8 NOT L9

FILE 'HCAOLD' ENTERED AT 16:01:36 ON 25 SEP 2006  
L11 0 S L10

FILE 'HCAPLUS' ENTERED AT 16:01:38 ON 25 SEP 2006  
L12 4 S L10

FILE 'USPATFULL' ENTERED AT 16:02:46 ON 25 SEP 2006  
L13 2 S L10

FILE 'HCAPLUS, USPATFULL' ENTERED AT 16:03:02 ON 25 SEP 2006  
L14 5 DUP REM L12 L13 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 16:03:16 ON 25 SEP 2006

=> fil hcaplus uspatful

FILE 'HCAPLUS' ENTERED AT 16:03:30 ON 25 SEP 2006  
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FILE 'USPATFULL' ENTERED AT 16:03:30 ON 25 SEP 2006  
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d l14 bib abs hitstr retable tot

L14 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1  
AN 1995:662912 HCAPLUS  
DN 123:270709  
TI Electrophotographic photosensitive member and electrophotographic  
apparatus, device unit and facsimile machine using the same  
IN Maruyama, Akio; Kikuchi, Toshiro; Amamiya, Shoji; Nagahara, Shin; Aoki,  
Katsumi  
PA Canon K. K., Japan

SO U.S., 43 pp. Cont.-in-part of U.S. Ser. No. 852,720, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5422210	A	19950606	US 1992-968465	19921029
	JP 05100464	A2	19930423	JP 1992-62306	19920318
	JP 2584930	B2	19970226		
PRAI	JP 1991-77290	A	19910318		
	JP 1991-77291	A	19910318		
	JP 1991-77292	A	19910318		
	US 1992-852720	B2	19920317		
	JP 1992-62306	A	19920318		

OS MARPAT 123:270709

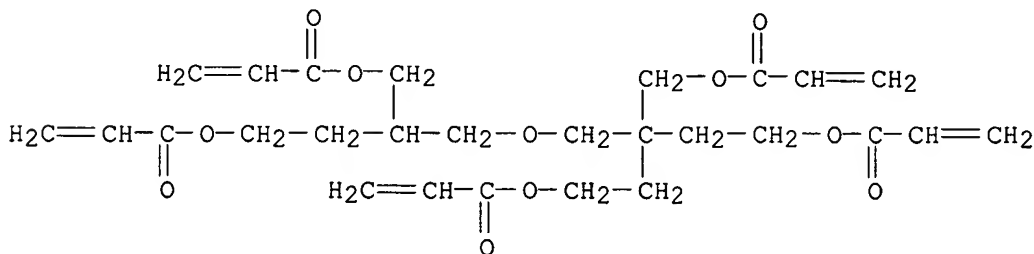
AB An electrophotog. photosensitive member comprises a conductive support, a photosensitive layer and a protective layer, the protective layer containing resin formed by hardening a light-setting type acrylic monomer, and the photosensitive layer containing  $\geq 1$  compound selected from the group consisting of (A), (B) and (C) below: (A) styryl compds.  $(Ar_1)(Ar_2)N-Ar_3-(CH:C(R_2))_n-R_1$  (m.p.  $\leq 135^\circ$ ) [ $Ar_1$  and  $Ar_2$  are aromatic ring groups,  $Ar_3$  is a bivalent aromatic ring group or a bivalent heterocyclic group,  $R_1$  is an alkyl group or an aromatic ring group,  $R_2$  is a H atom, an alkyl group or an aromatic ring group, and  $n$  is 1 or 2,  $R_1$  and  $R_2$  possibly linking to form a ring when  $n = 1$ ]; (B) triarylamine compound having a structure expressed by the following formula  $Ar_4Ar_5NAr_6$  (m.p.  $\leq 150^\circ$ ) [ $Ar_4$ ,  $Ar_5$  and  $Ar_6$  = aromatic ring group or a heterocyclic group]; (C) hydrazone compds.  $A-[CR_3:NNR_4R_5]_m$  (m.p.  $\leq 155^\circ$ ) [ $R_3$  is a H atom or an alkyl group,  $R_4$  and  $R_5$  are alkyl groups, aralkyl groups or aromatic ring groups,  $m$  is 1 or 2,  $A$  is an aromatic ring group, a heterocyclic group or  $-CH:C(R_6)R_7$  ( $R_6$  and  $R_7$  are H atoms, aromatic ring groups or heterocyclic groups, but will never be H atoms at the same time)]. The photosensitive member suppresses the occurrence of cracks during forming of the protective layer, has high durability, and is free from any image defects.

IT 169158-41-2

RL: DEV (Device component use); USES (Uses)  
(protective layer for electrophotog. photoconductor)

RN 169158-41-2 HCAPLUS

CN 2-Propenoic acid, 2-[2-[(1-oxo-2-propenyl)oxy]ethyl]-2-[[4-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]butoxy]methyl]-1,4-butanediyl ester (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:274876 HCAPLUS

DN 122:68238

TI Crack-resistant durable electrophotographic photoreceptors providing  
flawless images and electrophotographic devices and facsimiles using the  
same

IN Maruyama, Akio; Nagahara, Susumu; Amamy, Shoji; Aoki, Katsumi; Tsuji,  
Haruyuki; Mayama, Shinya

PA Canon Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 29 pp.  
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06011877	A2	19940121	JP 1992-191360	19920626
	JP 3050701	B2	20000612		
PRAI	JP 1992-191360		19920626		
GI					

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

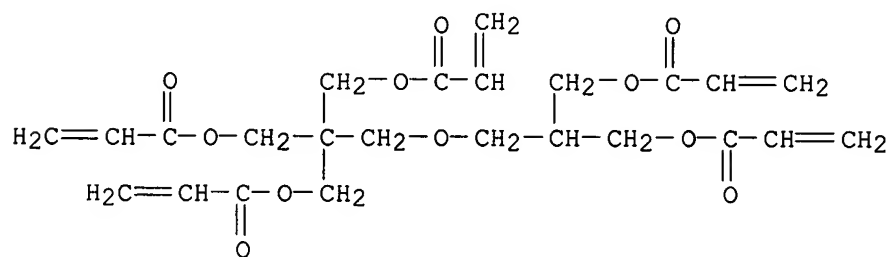
AB The title photoreceptors have an elec. conductive support, a photosensitive layer, and a protective layer, wherein the protective layer is a photocured acrylic layer, and the photosensitive layer contains binders chosen from I and II (A, B = C1-10 alkylidene, alkylene, aralkylene, arylene, O, CO, S, SO, SO<sub>2</sub>; R1-6, R11-16 = H, halogen, alkyl, aryl, aralkyl, alkenyl; R7 = C1-10 alkylidene, alkylene, aralkylene, arylene; n = pos. integer; x, y = 0.05-0.9; X = O, S).

IT 141313-82-8 159996-68-6

RL: TEM (Technical or engineered material use); USES (Uses)  
(photocured protective coatings; Crack-resistant durable electrophotog.  
photoreceptors providing flawless images for electrophotog. devices and  
facsimiles)

RN 141313-82-8 HCAPLUS

CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)



RN 159996-68-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)







IN Maruyama, Akio, Tokyo, Japan  
 Nagahara, Shin, Tokyo, Japan  
 Ohtani, Noriko, Yokohama, Japan  
 Mayama, Shinya, Yamato, Japan  
 PA Canon Kabushiki Kaisha, Tokyo, Japan (non-U.S. corporation)  
 PI US 5391449 19950221  
 AI US 1993-31023 19930311 (8)  
 RLI Continuation of Ser. No. US 1991-709822, filed on 4 Jun 1991, now  
 abandoned  
 PRAI JP 1990-146431 19900604  
 DT Utility  
 FS Granted  
 EXNAM Primary Examiner: Goodrow, John  
 LREP Fitzpatrick, Cella, Harper & Scinto  
 CLMN Number of Claims: 13  
 ECL Exemplary Claim: 1  
 DRWN 2 Drawing Figure(s); 1 Drawing Page(s)  
 LN.CNT 758

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An electrophotographic photosensitive member is formed by disposing a photosensitive layer and a protective layer in this order on an electroconductive support. The protective layer is formed from a resin obtained by polymerization of a curable acrylic monomer having at least three acrylic groups, i.e., acryloyl and/or methacryloyl groups. The protective layer not only shows a good durability against wearing but also can contain fine electroconductive particles therein with a good dispersibility because of the presence of the acrylic groups aiding the dispersion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 141313-83-9

(Electrophotog. photoconductors with protective layer from)

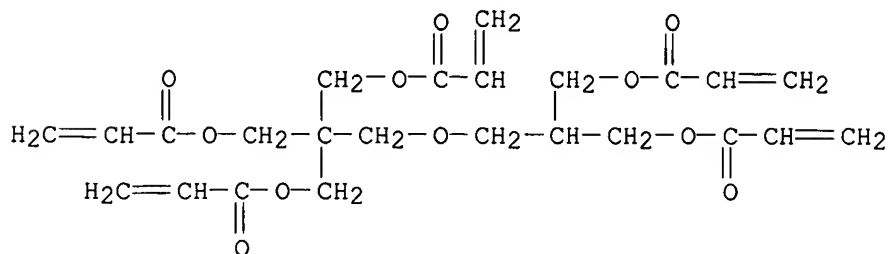
RN 141313-83-9 USPATFULL

CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 141313-82-8

CMF C24 H30 O11



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